

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 43   | ((smooth\$5 or continuous\$4) with ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/30<br>15:45 |
| L2    | 14   | L1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk"))                        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/30<br>15:45 |

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|----|----|--|---|----|----|---------------------|
| L3 | 6  | L2 and ((select\$5 or choos\$3 or designat\$5 or determin\$5) near4 ((combination or permutation or available or possible or ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")))) same ((satisf\$6 or meet\$3 or intersect \$5 or smooth or continuous\$5))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/30<br>15:45 |
| S1 | 14 | ((curve or function) with ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk") and (((smooth\$5 or continuous\$4) with (curve or function)) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:16 |

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|----|---|--|---|----|----|---------------------|
| S2 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) with ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y+m+c" or "y + m + c" or "y+m+c +k" or "y + m + c + k" or "y+m+c+bk" or "y + m + c + bk")) same (select\$5 or choos\$3 or designat\$5) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:19 |
| S3 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) with ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y+m+c" or "y + m + c" or "y+m+c +k" or "y + m + c + k" or "y+m+c+bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat\$5) near4 ((combination or permutation or available or possible))) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:20 |

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|----|---|--|---|----|----|---------------------|
|    |   | coloring or ink))  |   |    |    |                     |
| S4 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) with ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y+m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c+bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat\$5) near4 ((combination or permutation or available or possible))))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:20 |
| S5 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) with ((yellow with magenta with cyan) or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y+m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c+bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat\$5) near4 ((combination or permutation or available or possible)))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:21 |

|    |   |  |   |    |    |                     |
|----|---|--|---|----|----|---------------------|
| S6 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) with ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat \$5) near4 ((combination or permutation or available or possible))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:21 |
| S7 | 0 | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat \$5) near4 ((combination or permutation or available or possible))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:22 |

|    |    |   |   |    |    |                     |
|----|----|---|---|----|----|---------------------|
| S8 | 3  | S1 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) and ((select\$5 or choos\$3 or designat\$5 or determin\$5) near4 ((combination or permutation or available or possible)))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:22 |
| S9 | 20 | ((curve or function or formula or equation) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk") and (((smooth\$5 or continuous\$4) with (curve or function)) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:24 |

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|-----|----|---|---|----|----|------------------|
|     |    | color or colorant or coloring or ink)))   |   |    |    |                  |
| S10 | 21 | ((curve or function or formula or equation) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk") and (((smooth\$5 or continuous\$4) with (curve or function or formula or equation)) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/29 10:24 |
| S11 | 3  | S10 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) and ((select\$5 or   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/29 10:24 |

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|-----|---|--|---|----|----|---------------------|
|     |   | choos\$3 or designat\$5 or determin\$5) near4 ((combination or permutation or available or possible)))   |   |    |    |                     |
| S12 | 7 | S10 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk"))                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:28 |
| S13 | 7 | S12 and ((select\$5 or choos\$3 or designat\$5 or determin\$5) near4 ((combination or permutation or available or possible or ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:28 |
| S14 | 1 | "20010035968".pn. and (optim\$5)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:37 |



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|-----|---|--|---|----|----|---------------------|
| S15 | 0 | "20010035968".pn.<br>and (optim\$5) same<br>(smooth\$5 or<br>continuous\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:38 |
| S16 | 0 | "20010035968".pn.<br>and (optim\$5) same<br>(jump or kink or<br>discontinuous\$5 or<br>smooth\$5 or<br>continuous\$5)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:38 |
| S17 | 0 | "20010035968".pn.<br>and (optim\$5) same<br>(gradual\$5 or jump or<br>kink or discontinuous\$5<br>or smooth\$5 or<br>continuous\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:38 |
| S18 | 0 | "20010035968".pn.<br>and (optim\$5) same3<br>(gradual\$5 or jump or<br>kink or discontinuous\$5<br>or smooth\$5 or<br>continuous\$5) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:38 |
| S19 | 0 | "20010035968".pn.<br>and (optim\$5) and<br>(gradual\$5 or jump or<br>kink or discontinuous\$5<br>or smooth\$5 or<br>continuous\$5)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:38 |
| S20 | 1 | "20010035968".pn.<br>and (optim\$5) same<br>(total\$5)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:39 |
| S21 | 1 | "20010035968".pn.<br>and (optim\$5) same<br>(satisf\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:39 |

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|-----|---|--|---|----|----|---------------------|
| S22 | 3 | ((interpolat\$5) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk") and (((smooth\$5 or continuous\$4) with (curve or function or formula or equation)) same ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:55 |
| S23 | 4 | ((interpolat\$5) with ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk") and (((smooth\$5 or continuous\$4) ) same ((sum or summing or summer or summed or   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>10:57 |

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|-----|----|---|---|----|----|------------------|
|     |    | aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))   |   |    |    |                  |
| S24 | 43 | ((smooth\$5 or continuous\$4) with ((sum or summing or summer or summed or aggregate or total or combined or volume) near3 (coverage or color or colorant or coloring or ink))) same ((yellow with magenta with cyan) or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/29 10:58 |
| S25 | 14 | S24 and ((plural\$5 or multiple) with (combination or permutation or available or possible) same ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmcy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk"))                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/29 10:59 |

|     |   |   |   |    |    |                     |
|-----|---|---|---|----|----|---------------------|
| S26 | 6 | S25 and ((select\$5 or choos\$3 or designat\$5 or determin\$5) near4 ((combination or permutation or available or possible or ((yellow with magenta with cyan) or color\$5 or ink or k or black or yellow or cyan or magenta or ymck or cmyk or ymc or cmy or ymcbk or cmybk or (y near3 m near3 c) or "y +m+c" or "y + m + c" or "y+m+c+k" or "y + m + c + k" or "y+m+c +bk" or "y + m + c + bk")))) same ((satisf\$6 or meet\$3 or intersect \$5 or smooth or continuous\$5)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:00 |
| S27 | 0 | "20010035968".pn.<br>and (satisf\$7 with<br>restriction) same<br>function   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:02 |
| S28 | 2 | "20010035968".pn.<br>and (satisf\$7 with<br>restriction)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:02 |
| S29 | 1 | "20010035968".pn.<br>and ((set\$5 or choos<br>\$5 or select\$5 or<br>designat\$5) with<br>restriction)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:21 |
| S30 | 1 | "20010035968".pn.<br>and ((set\$5 or choos<br>\$5 or select\$5 or<br>designat\$5) near3<br>restriction)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:22 |
| S31 | 1 | "20010035968".pn.<br>and ((designat\$5)<br>near3 restriction)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:22 |

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|-----|---|--|---|----|----|---------------------|
| S32 | 1 | "20010035968".pn.<br>and (k near3<br>parameter)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:23 |
| S33 | 1 | "20010035968".pn.<br>and ((designat\$5)<br>near3 restriction) and<br>(restriction with (total<br>or sum\$4)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:24 |
| S34 | 2 | "5633662".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:32 |
| S35 | 1 | "20010035968".pn.<br>and restriction near3 t   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:53 |
| S36 | 1 | "20010035968".pn.<br>and (restriction with<br>(total or sum\$4))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:55 |
| S37 | 1 | "20010035968".pn.<br>and ymck with<br>"L*a*b*"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>11:56 |
| S38 | 1 | "20010035968".pn.<br>and (restriction near2<br>designat\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/29<br>12:02 |

### EAST Search History (Interference)

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**12/30/09 4:14:37 PM**

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